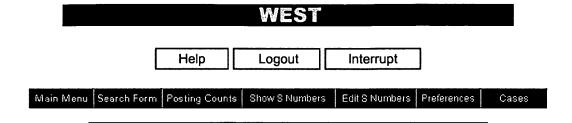
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DB=US	SPT; PLUR=YES; OP=ADJ		
<u>L3</u>	('MAGE 1') same (nucleic or nucleotide\$)	56	<u>L3</u>
<u>L2</u>	(MAGE) same (nucleic or nucleotide\$).clm.	31	<u>L2</u>
<u>L1</u>	boon-thierry\$	6	<u>L1</u>



Term	Documents
"MAGE 1".USPT,PGPB.	0
NUCLEIC.USPT,PGPB.	58829
NUCLEICS.USPT,PGPB.	11
NUCLEOTIDE\$	0
NUCLEOTIDE.USPT,PGPB.	47913
NUCLEOTIDEA.USPT,PGPB.	1
NUCLEOTIDEACTIVATOR:.USPT,PGPB.	1
NUCLEOTIDEAND.USPT,PGPB.	1
NUCLEOTIDEASE.USPT,PGPB.	13
NUCLEOTIDEATION:.USPT,PGPB.	2
NUCLEOTIDEBASED.USPT,PGPB.	1
(('MAGE 1') SAME (NUCLEIC OR NUCLEOTIDE\$)).USPT,PGPB.	68

There are more results than shown above. Click here to view the entire set.

Database:	US Patents Full-Text Database US Pre-Grant Publication Full-Text Database JPO Abstracts Database EPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins			
Search:	L4 Refine Search  Recall Text ← Clear			
Clear  Search History				

DATE: Monday, March 24, 2003 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
DB=US	SPT,PGPB; PLUR=YES; OP=ADJ		
<u>L4</u>	('MAGE 1') same (nucleic or nucleotide\$)	68	<u>L4</u>
DB=US	SPT; PLUR=YES; OP=ADJ		
<u>L3</u>	('MAGE 1') same (nucleic or nucleotide\$)	56	<u>L3</u>
<u>L2</u>	(MAGE) same (nucleic or nucleotide\$).clm.	. 31	<u>L2</u>
<u>L1</u>	boon-thierry\$	6	<u>L1</u>

Generate Collection Print

L3: Entry 25 of 56

File: USPT

May 22, 2001

US-PAT-NO: 6235525

DOCUMENT-IDENTIFIER: US 6235525 B1

TITLE: Isolated nucleic acid molecules coding for tumor rejection antigen precursor

MAGE-3 and uses thereof

DATE-ISSUED: May 22, 2001

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
van den Eynde; Benoit	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/334, 435/343.1, 435/343.2, 536/23.5

#### CLAIMS:

- 1. An isolated cDNA molecule consisting of a nucleotide sequence, which codes for tumor rejection antigen precursor MAGE-3, the complementary, sequence of which hybridizes, under stringent conditions to SEQ ID NO: 11 or SEQ ID NO: 12.
- 2. Isolated cDNA molecule wherein said molecule codes for tumor rejection antigen precursor MAGE-3 and consists of the nucleotide sequence set forth in SEQ ID NO: 11 or SEQ ID NO: 12.
- 3. Expression vector comprising the cDNA molecule of claim 1 operably linked to a promoter.
- 4. The expression vector of claim 3, further comprising a nucleic acid molecule which codes for HLA-A1.
- 5. Cell line transfected with the expression vector of claim 3.
- 6. The cell line of claim 5, wherein said cell line expresses HLA-A1.
- 7. The cell line of claim 5, wherein said cell line is further transfected with a nucleic acid molecule which codes for HLA-A1.
- 8. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 1.
- 9. Isolated mRNA molecule complementary to the isolated cDNA molecule of claim 2.
- 10. Isolated cDNA molecule which encodes tumor rejection antigen precursor protein MAGE-3, said protein having the amino acid sequence of the protein encoded by SEQ ID NO: 11 or SEQ ID NO: 12.

Generate Collection Print

L3: Entry 50 of 56

File: USPT

Mar 18, 1997

US-PAT-NO: 5612201

DOCUMENT-IDENTIFIER: US 5612201 A

TITLE: Isolated nucleic acid molecules useful in determining expression of a tumor

rejection antigen precursor

DATE-ISSUED: March 18, 1997

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Plaen; Etienne	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE
Lethe ; Bernard	Brussels			BE
Szikora; Jean-Pierre	Brussels			BE
De Smet; Charles	Brussels			BE
Chomez; Patrick	Brussels			BE

US-CL-CURRENT: 435/91.2; 435/6, 536/23.1, 536/24.33

#### CLAIMS:

- 1. Isolated nucleic acid molecule selected from the group consisting of: SEQ ID NO: 29, SEQ ID NO: 30, SEQ ID NO: 31, SEQ ID NO: 32, SEQ ID NO: 33, SEQ ID NO: 34, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37, SEQ ID NO: 38, SEQ ID NO: 39, SEQ ID NO: 40, SEQ ID NO: 41, SEQ ID NO: 42, SEQ ID NO: 43, SEQ ID NO: 44, SEQ ID NO: 45, and SEQ ID NO: 46.
- 2. Kit useful in determining expression of a MAGE gene, said kit comprising at least one pair of primers selected from the group consisting:
- (b) SEQ ID NO: 29 and SEQ ID NO: 30
- (c) SEQ ID NO: 31 and SEQ ID NO: 32
- (d) SEQ ID NO: 33 and SEQ ID NO: 34
- (e) SEQ ID NO: 35 and SEQ ID NO: 36
- (f) SEQ ID NO: 37 and SEQ ID NO: 38
- (g) SEQ ID NO: 39 and SEQ ID NO: 40
- (h) SEQ ID NO: 41 and SEQ ID NO: 42
- (i) SEQ ID NO: 43 and SEQ ID NO: 44 and
- (j) SEQ ID NO: 45 and SEQ ID NO: 46.
- 3. Method for determining expression of a MAGE gene of interest, comprising contacting a nucleic acid containing sample with at least one pair of primers selected from the group consisting:

- (b) SEQ ID NO: 29 and SEQ ID NO: 30
- (c) SEQ ID NO: 31 and SEQ ID NO: 32
- (d) SEQ ID NO: 33 and SEQ ID NO: 34
- (e) SEQ ID NO: 35 and SEQ ID NO: 36
- (f) SEQ ID NO: 37 and SEQ ID NO: 38
- (g) SEQ ID NO: 39 and SEQ ID NO: 40
- (h) SEQ ID NO: 41 and SEQ ID NO: 42
- (i) SEQ ID NO: 43 and SEQ ID NO: 44 and
- (j) SEQ ID NO: 45 and SEQ ID NO: 46, subjecting said nucleic acid containing sample and pair of primers to a reverse transcriptase-polymerase chain reaction, and determining any amplification product as a determination of expression of said MAGE gene.

Generate Collection Print

L3: Entry 54 of 56

File: USPT

Oct 31, 1995

US-PAT-NO: 5462871

DOCUMENT-IDENTIFIER: US 5462871 A

TITLE: Isolated nucleic acid molecules which encode MAGE derived nonapeptides

DATE-ISSUED: October 31, 1995

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP (	CODE	COUNTRY
Boon-Falleur; Thierry	Brussels				BE
van der Bruggen; Pierre	Brussels				BE
De Plaen; Etienne	Brussels				BE
Lurquin; Christophe	Brussels				BE
Traversari; Catia	Milan				IT
Gaugler; Beatrice	Brussels				BE
Van den Eynde; Benoit	Brussels				BE

US-CL-CURRENT: 435/354; 435/252.3, 435/365, 536/23.1, 536/23.5

### CLAIMS:

- 1. Isolated nucleic acid molecule consisting of a nucleotide sequence which codes for a nonapeptide selected from the group consisting of SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21, and SEQ ID NO: 22, wherein said nonapeptide binds to a human leukocyte antigen molecule on a cell surface and provokes lysis of said cell by a cytolytic T lymphocyte specific for a complex of said nonapeptide and said human leukocyte antigen.
- 2. The isolated nucleic acid molecule of claim 1, selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 9.
- 3. The isolated nucleic acid molecule of claim 1, wherein said molecule consists of a nucleotide sequence which encodes the nonapeptide of SEQ ID NO: 17.
- 4. The isolated nucleic acid molecule of claim 3, consisting of the nucleotide sequence of SEQ ID NO: 4.
- 5. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 1.
- 6. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 2.
- 7. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 3.
- 8. Isolated, non-human cell line with the isolated nucleic acid molecule of claim 4.

- 9. The isolated non-human cell line of claim 5, wherein said non-human cell line is a mouse cell line.
- 10. The isolated non-human cell line of claim 6, wherein said non-human cell line is a mouse cell line.
- 11. The isolated non-human cell line of claim 7, wherein said non-human cell line is a mouse cell line.
- 12. The isolated non-human cell line of claim 8, wherein said non-human cell line is a mouse cell line.
- 13. The isolated non-human cell line of claim 5, wherein said cell line is a COS cell line.
- 14. The isolated non-human cell line of claim 6, wherein said cell line is a COS cell line.
- 15. The isolated non-human cell line of claim 7, wherein said cell line is a COS cell line.
- 16. The isolated non-human cell line of claim 8, wherein said cell line is a COS cell line.

Generate Collection Print

L3: Entry 55 of 56

File: USPT

Apr 11, 1995

US-PAT-NO: 5405940

DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

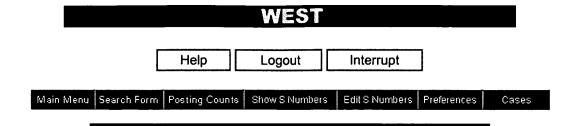
#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Traversari; Catia	Milan			IT

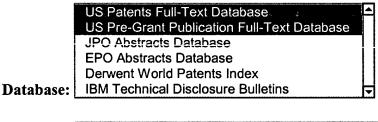
US-CL-CURRENT: 530/328; 424/185.1, 530/300

#### CLAIMS:

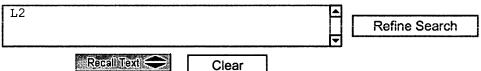
- 1. Isolated nonapeptide having Glu at its N terminal, Tyr at its C-terminal, and Asp at the third residue from its N terminal, with the proviso that said isolated nonapeptide is not Glu Ala Asp Pro Thr Gly His Ser Tyr (SEQ ID NO: 1), and wherein said isolated nonapeptide binds to a human leukocyte antigen molecule on a cell to form a complex, said complex provoking lysis of said cell by a cytolytic T cell specific to said complex.
- 2. The isolated nonapeptide of claim 1, wherein the second residue from its N terminal is Ala or Val.
- 3. The isolated nonapeptide of claim 2, wherein the fourth residue from its N terminal is Pro.
- 4. The isolated nonapeptide of claim 3, wherein the fifth residue from its N terminal is Ile, Ala, or Thr.
- 5. The isolated nonapeptide of claim 4, wherein the sixth residue from its N terminal is Gly or Ser.
- 6. The isolated nonapeptide of claim 5, wherein the seventh residue from its N terminal is His or Asn.
- 7. The isolated nonapeptide of claim 6, wherein the eighth residue from its N terminal is Leu, Thr, or Val.
- 8. Isolated nonapeptide selected from the group consisting of SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8 and SEQ ID NO: 9.
- 9. Isolated nonapeptide SEQ ID NO: 4.



Term	Documents
MAGE.USPT,PGPB.	1326
MAGES.USPT,PGPB.	293
PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29



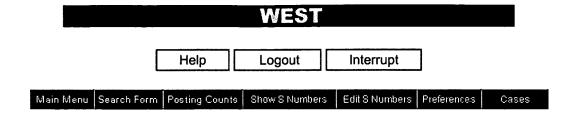
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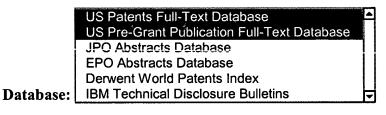
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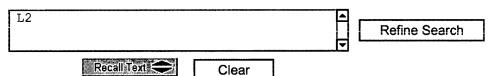
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<u>L1</u>	(mage).clm.	67	<u>L1</u>



Term	Documents
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PRECURSOR.USPT,PGPB.	93982
PRECURSORS.USPT,PGPB.	64255
(MAGE SAME (PRECURSOR.CLM.)).USPT,PGPB.	29
((MAGE)SAME (PRECURSOR).CLM.).USPT,PGPB.	29



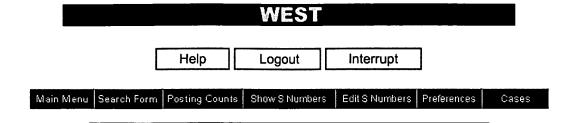
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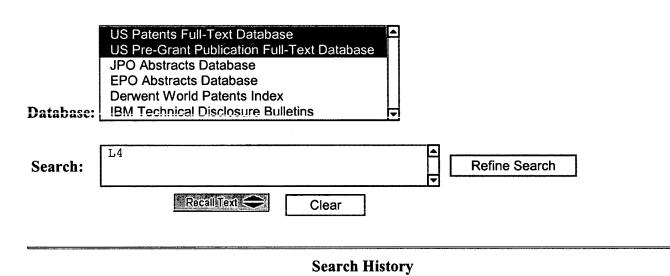
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DB=PGB	PB; PLUR=YES; OP=ADJ		
<u>L1</u>	(mage).clm.	67	<u>L1</u>



Term	Documents
BOON-THIERRY\$	0
BOON-THIERRY.USPT,PGPB.	7
BOON-THIERRY\$.USPT,PGPB.	7
(BOON-THIERRY\$).USPT,PGPB.	7



DATE: Monday, March 24, 2003 Printable Copy Create Case

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<u>L3</u>	boon-theirry\$	0	<u>L3</u>
<u>L2</u>	(mage)same (precursor).clm.	29	<u>L2</u>
DB=PGB	PB; PLUR=YES; OP=ADJ		
<u>L1</u>	(mage).clm.	67	<u>L1</u>

**Generate Collection** 

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### **Search Results -** Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20020160011 A1

L4: Entry 1 of 7

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020160011

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020160011 A1

TITLE: ADJUVANT COMPOSITIONS FOR VACCINES

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

BOON, THIERRYBRUSSELSBESILLA, SILVIABRUSSELSBEUYTTENHOVE, CATHERINECHAUMONT GISTOUXBE

US-CL-CURRENT: <u>424</u>/<u>184.1</u>; <u>424</u>/<u>198.1</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw Desc Image

☐ 2. Document ID: US 6488932 B1

L4: Entry 2 of 7

File: USPT

Dec 3, 2002

US-PAT-NO: 6488932

DOCUMENT-IDENTIFIER: US 6488932 B1

TITLE: Method for treating cancer by administering MAGE-derived peptides

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Boon; Thierry Brussels BE van der Bruggen; Pierre Brussels BE De Plaen; Etienne Brussels BE Lurquin; Christophe Brussels BE Traversari; Catia Milan

US-CL-CURRENT: 424/185.1; 424/193.1, 424/277.1, 530/320, 530/328, 530/335, 530/402

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw Desc Image

☐ 3. Document ID: US 6375945 B1

Record List Display

L4: Entry 3 of 7

File: USPT

Apr 23, 2002

US-PAT-NO: 6375945

DOCUMENT-IDENTIFIER: US 6375945 B1

TITLE: Adjuvant compositions for vaccines

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Boon; ThierryBrusselsBESilla; SilviaBrusselsBEUyttenhove; CatherineChaumont GistouxBE

US-CL-CURRENT: 424/85.2; 424/184.1, 424/185.1, 424/450, 530/351

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Drawt Desc Image

☐ 4. Document ID: US 6034214 A

L4: Entry 4 of 7

File: USPT

Mar 7, 2000

US-PAT-NO: 6034214

DOCUMENT-IDENTIFIER: US 6034214 A

TITLE: Isolated nonapeptides which bind to HLA molecules and provoke lysis by

cytolytic T cells

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Boon; Thierry Brussels BE van der Bruggen; Pierre ΒE Brussels De Plaen; Etienne Brussels ΒE Lurquin; Christophe BE Brussels Traversari; Catia Milan IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300, 530/385

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC

KiMC Draw Desc Image

☐ 5. Document ID: US 5925729 A

L4: Entry 5 of 7

File: USPT

Jul 20, 1999

US-PAT-NO: 5925729

DOCUMENT-IDENTIFIER: US 5925729 A

TITLE: Tumor rejection antigen precursors, tumor rejection antigens and uses thereof

DATE-ISSUED: July 20, 1999

**INVENTOR-INFORMATION:** 

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
Van Der Bruggen; Pierre	Brussels			BE
Van Den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 530/328; 424/185.1, 530/395, 530/806, 530/828

Full Title Citation Front Review Classification Date Reference Sequences Attachments KNIC Draw Desc Image

☐ 6. Document ID: US 5405940 A

L4: Entry 6 of 7

File: USPT

Apr 11, 1995

US-PAT-NO: 5405940

DOCUMENT-IDENTIFIER: US 5405940 A

TITLE: Isolated nonapeptides derived from MAGE genes and uses thereof

DATE-ISSUED: April 11, 1995

INVENTOR-INFORMATION:

CITY NAME STATE ZIP CODE COUNTRY Boon; Thierry Brussels BE van der Bruggen; Pierre Brussels BE De Plaen; Etienne Brussels BE Lurquin; Christophe Brussels BETraversari; Catia Milan IT

US-CL-CURRENT: 530/328; 424/185.1, 530/300

Full Title Citation Front Review Classification Date Reference Sequences Attachments #MMC Draw Desc Image

☐ 7. Document ID: US 5342774 A

L4: Entry 7 of 7

File: USPT

Aug 30, 1994

US-PAT-NO: 5342774

DOCUMENT-IDENTIFIER: US 5342774 A

TITLE: Nucleotide sequence encoding the tumor rejection antigen precursor, MAGE-1

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boon; Thierry	Brussels			BE
van der Bruggen; Pierre	Brussels			BE
Van den Eynde; Benoit	Brussels			BE
Van Pel; Aline	Brussels			BE
De Plaen; Etienne	Brussels			BE
Lurquin; Christophe	Brussels			BE
Chomez; Patrick	Brussels			BE
Traversari; Catia	Milan			IT

US-CL-CURRENT: 435/371; 435/235.1, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 530/350, 536/23.5

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

Generate Collection Print

Term	Documents
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BOON-THIERRY\$.USPT,PGPB.	7
(BOON-THIERRY\$).USPT,PGPB.	7

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Previous Page Next Page